

IN THE CLAIMS

Upon entry of the present amendment, the status of the claims will be as is shown below. This listing of claims replaces all previous versions and listings of claims in the present application.

1-16 (Cancelled)

17. (New) A compressor, comprising:

a compression mechanism that draws, compresses and discharges refrigerant;
a reservoir for storing liquid for lubricating the compression mechanism;
a housing that contains the compression mechanism and the reservoir; and
a refrigerant go-around passage for introducing the refrigerant discharged from the compression mechanism into the housing via a refrigerant introducing port, making the refrigerant go around an axial line of the compressor and returning the refrigerant to a discharge-port side of the housing via a refrigerant returning port, while separating the liquid from the refrigerant by centrifugation or by centrifugation and collision,

wherein a liquid returning port is provided for returning the separated liquid into the housing in a wall of a mid part of the refrigerant go-around passage in such a manner that the liquid returning port has an orientation that has a component in a direction of gravity and that is deviated from a traveling direction of the refrigerant.

18. (New) The compressor of claim 17,

wherein the refrigerant introducing port is provided in an upper portion of the housing;
wherein the refrigerant returning port is provided in the upper portion of the housing; and
wherein the wall of the mid part is provided in a lower part of the refrigerant go-around

passage.

19. (New) The compressor according to claim 17,
wherein the refrigerant go-around passage is arranged on the same plane.
20. (New) The compressor according to claim 17,
wherein the refrigerant go-around passage is provided at a discharge-port side end of the
housing.
21. (New) The compressor according to claim 17,
wherein the refrigerant go-around passage is constituted by a concave streak and a lid for
covering the concave streak, the concave streak being formed on a substrate attached to the
housing or to an end wall of the housing.
22. (New) The compressor according to claim 21,
wherein the substrate is attached to the housing together with the lid.
23. (New) The compressor according to claim 17,
wherein each of the refrigerant introducing port, the refrigerant returning port, and the
liquid returning port is provided at at least one position in the traveling direction of the
refrigerant.
24. (New) The compressor according to claim 17,
wherein a guide for collecting the refrigerant to direct the collected refrigerant into the
refrigerant introducing port is provided in the refrigerant introducing port.
25. (New) The compressor according to claim 17, further comprising:
an electric motor that is housed in the housing and that drives the compression
mechanism.

26. (New) The compressor according to claim 18,
wherein the refrigerant go-around passage is arranged on a plane.

27. (New) The compressor according to claim 18,
wherein the refrigerant go-around passage is provided at a discharge-port side end of the
housing.

28. (New) The compressor according to claim 18, the refrigerant go-around passage
being constituted by a concave streak and a lid for covering the concave streak, the concave
streak being formed on a substrate attached to the housing or to an end wall of the housing.

29. (New) The compressor according to claim 28,
wherein the substrate is attached to the housing together with the lid.

30. (New) The compressor according to claim 18,
wherein each of the refrigerant introducing port, the refrigerant returning port, and the
liquid returning port is provided at at least one position in the traveling direction of the
refrigerant.

31. (New) The compressor according to claim 18,
wherein a guide for collecting the refrigerant to direct the collected refrigerant into the
refrigerant introducing port is provided in the refrigerant introducing port.

32. (New) The compressor according to claim 18, further comprising:
an electric motor that drives the compression mechanism and that is housed in the
housing.

33. (New) The compressor according to claim 17,
wherein the refrigerant go-around passage is provided in the housing.

34. (New) The compressor according to claim 17,
wherein a cross-sectional area of the refrigerant go-around passage is substantially
uniform.